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	Substitute for form 1449A/PTO		Complete if Known			
			Application Number	10/657, 310		
	INFORMATION DISC	CLOSURE	Filing Date	09/08/2003		
	STATEMENT BY AF	PLICANT	First Named Inventor	Robin G. Skinner		
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	(Use as many sheets as ne	essary)	Examiner Name	THERESA TRIEU		
She	1	of 1	Attorney Docket Number	TEC1215/C-507		

Examiner	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.'	Number-Kind Code <sup>2 (7 known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
T		<sup>US-</sup> 5,110,268	05-05-1992	Sakurai et al.	
		US- ·5,137,437	08-11-1992	Machida et al.	
		<sup>US-</sup> 5,176,506	01-05-1993	Siebel	
		<sup>US-</sup> Re. 34,297	06-29-1993	Elson	
		<sup>US-</sup> 5,345,785	09-13-1994	Sekigami et al.	
		<sup>US-</sup> 5,391,066	02-21-1995	Sawai et al.	
		<sup>US-</sup> 5,580,233	12-03-1998	Wakana et al.	
		<sup>US-</sup> 5,597,293	01-28-1997	Bushnell et al.	
		<sup>US-</sup> 5,695,326	12-09-1997	Oka et al.	
TT		<sup>US-</sup> 6,167,719	01-02-2001	Yakumaru et al.	
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	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (If Innown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁰					
Ţī	TT JP02001020881A		01-23-2001	Sekigami, Kazuo							
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Examiner Signature	Jora	Date Considered	THNE	15, 2005

\*EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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	ANEOR:	MATION DISCLOSURE	CITATION		TEC1215-01/C- APPLICANT(S)	507	10/(	657.310	
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77	r r	e. 25,569	05/05/1964	Coron et	al.	_230	117		
	2,	,661,172	12/01/1953	Needham		248	19		
	3,	039,725	06/19/1962	Kerley, J	r.	-248	20		
	3,	145,960	08/25/1964	Langdon		248	13		
TT	3,	749,340	07/31/1973	Williams	et aL	CLASS SUBCLASS FILING DATE IF APPROPRIATE  230 117   117   1248   19   19   19   19   19   19   19   1			
	U.S. PATENT APPLICATION PUBLICATIONS								
TEXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		
TT	21	901/0055536	12/27/2001	Bernardi	et al.	418	-55.6		
TT	20	001/0006603	07/05/2001	Hong et a	ı.	-418	65.1		
			FORE	IGN PATE	NT DOCUMENTS				
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS		
TT	J	P402061382A	03/01/1990	Japan			·		
	J	P407259764A	10/09/1995	Japan					
	Л	P61087994	05/06/1986	Japan					
	Л	P410148191A	06/02/1998	Japan					
TT	JI	P2002098056A	04/05/2002	Japan					
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77		3,785,167	01/15/1974	Sahs		-62-	<del>296 -</del>	IF APPROP	MAIE
		4,089,613	05/16/1978	Babbitt,	Jr.	405	388-		
		4,244,680	01/13/1981	Ishizuka	et al.	418	97		
		4,389,171	06/21/1983	Eber et al	i.	418	-15		
77		4,416,594	11/22/1983	Ichikawa		417360			
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TT		JP2002021729A	01/23/2002	Japan					
77		2 755 477 A1	11/05/1997	France		_		·	
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	INFORMATION DISCLOSURE CITATION				ATTY DOCKET NO. TEC1215-01/C	-507	APPLICATION 1	NO. 657,310	
	INFO	PRMATION DISCLOSURE (Use several sheets if necess			Robin G. Skinner				
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			U.S	S. PATENT	DOCUMENTS				
*EXAMINER		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT	
TT		4,497,615	02/05/1985	Griffith		417	310		
		4,518,276	05/21/1985	Mitchell (	et al.	483	_13		
		4,552,518	11/12/1985	Utter		-418	-55		
		4,557,677	12/10/1985	Hasegawa	2	418	63		
TT		4,685,188	08/11/1987	Goy		29	446		
			U.S. PATEN	IT APPLIC	ATION PUBLICATIONS	_			
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## ATTY DOCKET NO. APPLICATION NO. TEC1215-01/C-507 10/657,310 INFORMATION DISCLOSURE CITATION Robin G. Skinner (Use several sheets if necessary) FILING **GROUP ART** September 8, 2003 3748 **U.S. PATENT DOCUMENTS** EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 4,767,293 08/30/1988 Caillat et al. 418-55-4,792,288 12/20/1988 Gromoll et al. 278 417 4,818,198 04/04/1989 Tamura et al. 418 -55-4,877,382 10/31/1989 Caillat et al. 418-55\_ 4,992,033 02/12/19991 Caillat et al. 418 55.3 TT **U.S. PATENT APPLICATION PUBLICATIONS** \*EXAMINER FILING DATE DOCUMENT NUMBER DATE CLASS NAME SUBCLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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THE 15, 2005

	,				ATTY DOCKET NO. TEC1215-01/C-			APPLICATION NO. 10/657,310		
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TT_		5,012,896	05/07/1991	Da Costa		-184	6.16			
		5,055,010	10/08/1991	Logan		417	_410			
		5,062,779	11/05/1991	Da Costa		418	270			
		5,114,322	05/19/1992	Caillat et al.		418	55.6			
77		5,211,031	05/18/1993	Murayama et al.		62	498			
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TT		5,219,281	06/15/1993	Caillat et	al.	<del>-418</del>	-55.6			
		5,222,885	06/29/1993	Cooksey		418	96			
		5,224,845	07/06/1993	Mangyo et al.		417-	423.13.			
		5,240,391	08/31/1993	Ramshankar et al.		417	-410 R			
TŢ		5,247,738	09/28/1993	Yoshii		-29	888.022.			
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## ATTY DOCKET NO. APPLICATION NO. TEC1215-01/C-507 10/657,310 INFORMATION DISCLOSURE CITATION Robin G. Skinner (Use several sheets if necessary) FILING **GROUP ART** September 8, 2003 3748 **U.S. PATENT DOCUMENTS** 'EXAMINER FILING DATE DOCUMENT NUMBER DATE SUBCLASS CLASS NAME INITIAL IF APPROPRIATE 5,312,234 05/17/1994 Yoshii 418 <del>-55.1 -</del> 5,345,970 09/13/1994 Leyderman et al. 137 856 5,346,375 09/13/1994 Akiyama et al. 418 -15---5,348,455 09/20/1994 Herrick et al. 418~ 63\_ 5,370,156 12/06/1994 TT Peracchio et al. 137 856\_ **U.S. PATENT APPLICATION PUBLICATIONS** EXAMINER DOCUMENT NUMBER FILING DATE DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED 15, 2ns JWE \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not

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TŢ	5,427,511	06/27/1995	Caillat et	: al.	418—	55.1		
	5,474,433	12/12/1995	Chang et		418-	-55.4		
	5,487,648	01/30/1996	Alfano et	t <b>al.</b>	A17	312		
	5,522,715	06/04/1996	Watanabe	e et al.	418—	_55.1		
TT	5,531,577	07/02/1996	Hayase et	Hayase et al.		- <del>55.1 -</del>		
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	T		5,533,875	07/09/1996	Crum et a	al.	417	368		
			5,579,651	12/03/1996	Sugiyama	et al.	-62	469-		
			5,597,296	01/28/1997	Akazawa	et al.	-418	55.1		
			5,634,781	06/03/1997	Yoshida e	Yoshida et al.		55.1		
٦	ſŢ		5,645,408	07/08/1997	Fujio et a	·	_418	_55.4		
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11	5,660,539	08/26/1997	Matsunag	ga et al.	-418-	55.6		
	5,683,237	11/04/1997	Hagiwara	n et al.	418	55.2		
	5,716,202	02/10/1998	Koyama e	et al.	418-	55.6_		
	5,720,601	02/24/1998	Tark et a	Tark et al.		-569-		
TT	5,745,992	05/05/1998	Caillat et	Caillat et al.		.888.02		
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			5,769,126	06/23/1998	Cho		137	856		
			5,772,411	06/30/1998	Crum et a	al.	417	368		
			5,772,416	06/30/1998	Caillat et	al.	418—	58.6-		
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T	Τ		5,810,572	09/22/1998	Yamamot	to et al.	418-	-35.6		
			5,829,959	11/03/1998	Tsubono	et al.	-418	53:5		
			5,863,190	01/26/1999	Yamamo	to et al.	418	55.1		
			5,913,892	06/22/1999	Kwon		-62_	296		
	T		5,931,649	08/03/1999	Caillat et	al.	. <del>418</del>	55.1		
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## ATTY DOCKET NO. APPLICATION NO. TEC1215-01/C-507 10/657,310 **INFORMATION DISCLOSURE CITATION** Robin G. Skinner (Use several sheets if necessary) FILING **GROUP ART** September 8, 2003 3748 **U.S. PATENT DOCUMENTS** 'EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 5,931,650 08/03/1999 Yasu et al. 418 55.3 5,947,709 09/07/1999 Koyama et al. 418 55.6 5,964,581 10/12/1999 lizuka et al. 417 410.3 6,000,917 12/14/1999 Smerud et al. 417 368-6,011,336 01/04/2000 Mathis et al. 310 91 TT **U.S. PATENT APPLICATION PUBLICATIONS** \*EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER **DATE CONSIDERED**

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6,650,794	TT		6,027,321	02/22/2000	Shim et a	l.	-418-	1-				
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TT	6,132,191	10/17/2000	Hugenrot	ih et al.	418	-55.1			
	6,139,291	10/31/2000	Perevozel	hikov	418	-58-1			
	6,156,106	12/05/2000	Kamata		96	189-			
	6,162,035	12/19/2000	Hayano e	t al.	418	220			
TT	6,171,076	01/09/2001	Gannawa	y	417	350			
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77		6,179,589	01/30/2001	Bass et al.		<del>-418 -</del>	-55.1		
		6,186,753	02/13/2001	Hugenrot	th et al.	410-	55.1-		
		6,224,356	05/01/2001	Dewar et	al.	418	55.1		
		6,227,830	05/08/2001	Fields et a	aL	418	55.1		
77		6,247,910	06/19/2001	Yokoyam	a	-418	55.1		
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TT	6,261,073	07/17/2001	Kumazav	78	418	-63-		
TT	6,264,446	07/24/2001	Rajendra	n et al.	418	-55.6-		
77	6,280,154	08/28/2001	Clendenia	n et al.	417	-4 <del>10.5</del>		
ΤT	6,299,423	10/09/2001	Perevozci	hikov	. 418	-55.1		
77	6,305,912	10/23/2001	Svendsen	et al.	417	312		
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